

EPS TEAM 3

MATERIALS NEEDED FOR THE PROTOTYPE

PVC construction (Leroy Merlin + Staples)

1. PVC glue (€8)

https://www.leroymerlin.pt/Produtos/Tintas-e-drogaria/Colas-e-fitas-adesivas/Colas/WPR_REF_16767226

2. PVC cutting board (€15)

<https://www.staples.pt/pt/pt/base-de-corte-a3-pvc-341415>

3. 2 Hinges (€6)

https://www.leroymerlin.pt/Produtos/Ferragens/Ferragens-para-portas/Dobradicas-de-porta/WPR_REF_82557848

4. Kit Push to open (€8)

https://www.leroymerlin.pt/Produtos/Cozinhas/Moveis-de-cozinha/complementos-delinia-id/WPR_REF_956663

Additional features (IKEA)

1. IKEA charging port (€14)

<https://www.ikea.com/pt/en/p/loerby-usb-charger-with-clamp-black-10381966/>

2. IKEA lamp (€15); <https://www.ikea.com/pt/pt/p/naevlinge-projetor-led-de-parede-mola-preto-10408273/>

Electrical components (provided by ISEP)

Arduino kit

+LDR

+LED-light

➔ Total Price = €66 (without electrical components)